

**BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA**

SAMPLING AND ANALYSIS PLAN SUPPLEMENT No. 3

**SAMPLING AND ANALYSIS SUPPLEMENT
ADDITIONAL SOIL GAS SAMPLES
PARCEL C**

**To: Mr. Brian Mossman
Boeing Realty Corporation
3760 Kilroy Airport Way, Suite 500
Long Beach, CA 90806**

From: Haley & Aldrich, Inc.

Date: February 22, 2001

**Re: Sampling and Analysis Supplement, Additional Soil Gas Samples, Boeing Realty Corporation
Former C-6 Facility – Parcel C, Los Angeles, California**

Haley & Aldrich, Inc. is herein providing this technical memorandum as Supplement No. 3 to the *Sampling and Analysis Plan* (dated August 16, 2000), prepared by Kennedy/Jenks Consultants (KJC) for Boeing Realty Corporation's (BRC's) Former C-6 Facility – Parcel C, Los Angeles, California (subject parcel). This Addendum No. 3 describes additional soil gas sampling activities to be conducted in proximity to previous sampling locations where isolated volatile organic compound (VOC) concentrations were reported on the subject parcel (Figure 1).

PURPOSE

It is proposed that five additional temporary soil gas probes be advanced on the subject parcel. Soil gas samples will be collected from the probes and will be analyzed to provide additional information regarding VOC concentrations in proximity to selected previous soil gas sample locations on the subject parcel. These previous soil gas sample locations indicated the presence of VOCs, but were not within the general areas where VOC concentrations were expected and reported.

SOIL GAS SAMPLING ACTIVITIES

Soil gas sample collection from depths of 10 and 20 feet below the ground surface (bgs) in selected locations on Parcel C was recommended in the *Technical Memorandum, Sampling and Analysis Plan Supplement* (dated January 22, 2001) prepared by Haley & Aldrich. To-date, approximately 78 soil gas samples have been collected and analyzed in the field by a mobile laboratory for 25 target compounds including the 22 Los Angeles Regional Water Quality Control Board (LARWQCB) Wellhead Investigation Program VOCs.

Based on the results of the analysis of soil gas samples, apparent VOC source areas previously identified as Area 1-1 (former Buildings 1 and 36) and Area 2-1 (former Building 2) contained soil gas sample locations with detectable to elevated VOC concentrations. Soil gas samples collected outside of these areas generally had very low or non-detectable reported VOC concentrations.

However, soil gas samples collected from the former turret and lathes area (43) in former Building 2 and along the eastern portion of the south property line (S-41 and X-41) had reported concentrations of trichloroethene (TCE) of 55 micrograms per liter (ug/l) and total xylenes of up to 76 ug/l, respectively. These sample locations are outside of Areas 1-1 and 2-1 approximately 300 feet to the south and 400 feet to the north respectively.

RECOMMENDED ADDITIONAL SAMPLING LOCATIONS

The proposed additional soil gas sample locations are depicted on the attached Figures 2 and 3. As indicated in the attached figures, the soil gas samples will be collected as follows:

- One sample at 10 feet bgs approximately 30 feet east of Sample Point 43.
- One sample at 10 feet bgs and one sample at 20 feet bgs approximately 30 feet north of Sample Point 43.
- One sample at 10 feet bgs approximately 30 feet west of Sample Point 43.
- One sample at 10 feet bgs at grid location T-41, approximately 40 feet north of the south property line.
- One sample at 10 feet bgs at grid location V-41, approximately 40 feet north of the south property line.

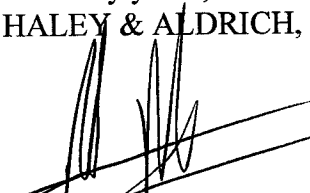
RECOMMENDED ANALYSIS

Each soil gas sample will be analyzed for the same 25 target VOCs as listed in the initial soil gas survey scope of work presented in the *Sampling and Analysis Plan Supplement*, dated January 22, 2001.

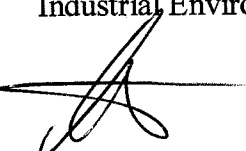
INVESTIGATION-DERIVED WASTE (IDW) MANAGEMENT

IDW generated during the course of the investigation will be managed, as noted above, in accordance with the *Site-Wide Soil and Waste Management Plan*, dated October 31, 2000.

Sincerely yours,
HALEY & ALDRICH, INC.


Richard M. Farson, P.E.
Senior Engineer
Industrial Environmental Group

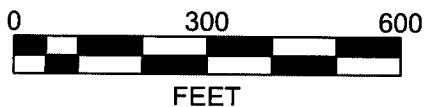
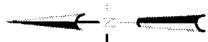
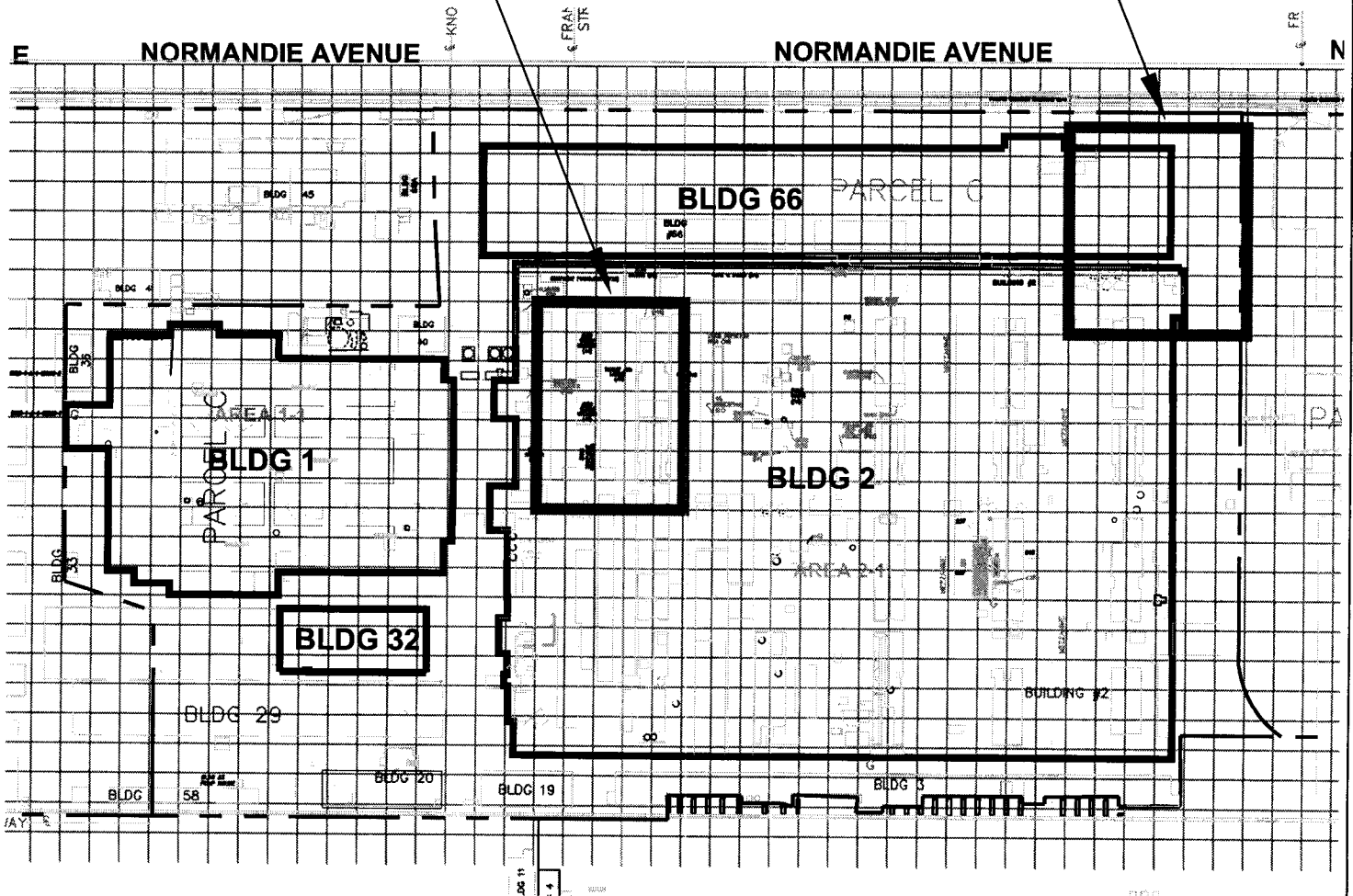



Scott Zachary
Vice President
Industrial Environmental Group

Attachments: Figure 1 – Additional Soil Gas Sample Locations, Figures 2 and 3 Area Locations
Figure 2 - Additional Soil Gas Sample Locations, 43a, 43b, 43c
Figure 3 – Additional Soil Gas Sample Locations, V-41, T-41.

DETAIL ON FIGURE 3

DETAIL ON FIGURE 2



BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

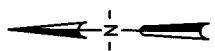
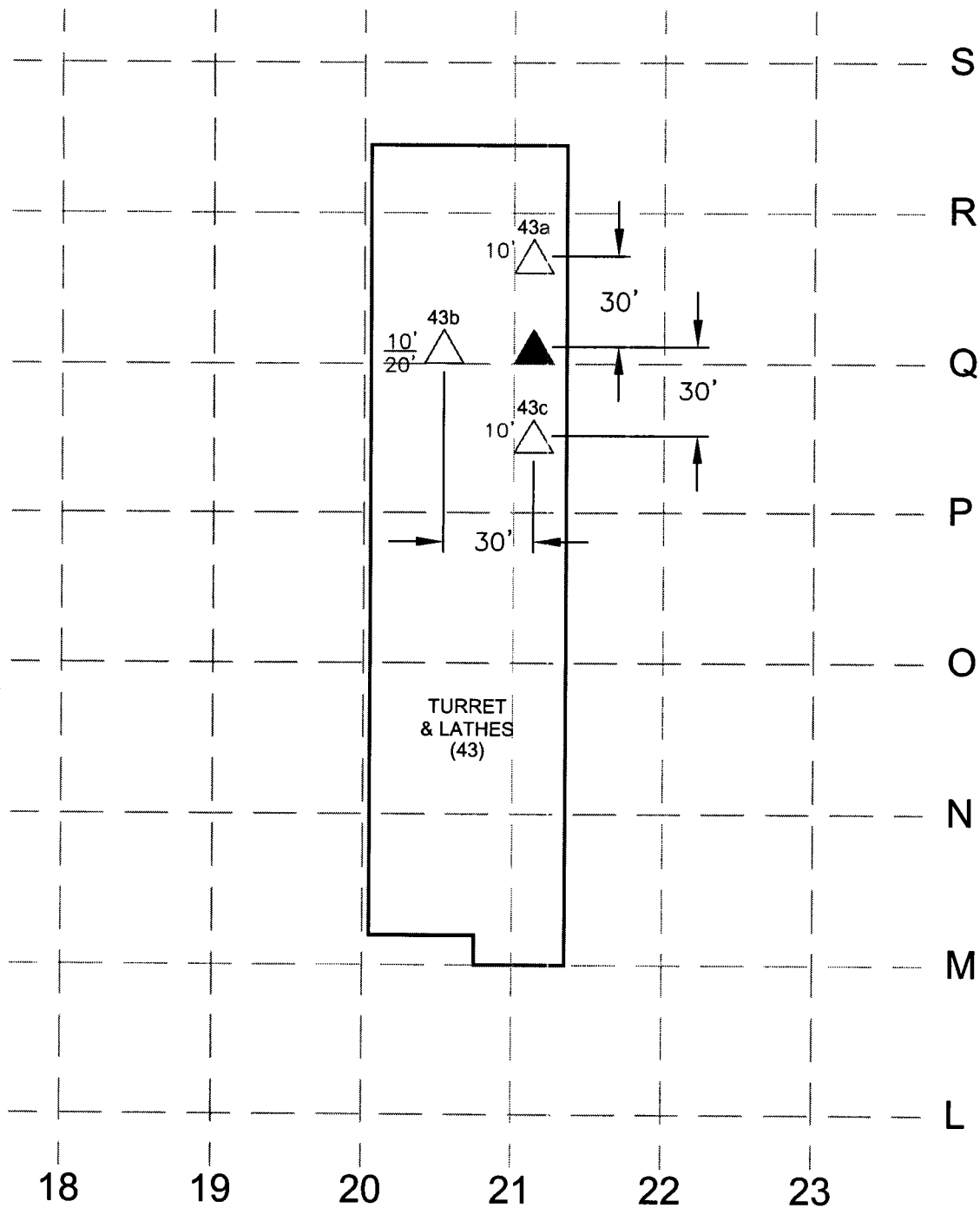
FIGURE:
1

ADDITIONAL SOIL GAS
SAMPLE LOCATIONS
FIGURES 2 & 3 AREA LOCATIONS

FILE NO.:
27285-001

DRAWN BY:
SAL

DATE:
21 FEBRUARY, 2001



NOT TO SCALE



COMPLETED SOIL GAS PROBE

10'
20'



PROPOSED SOIL GAS PROBE
W/ DEPTH (ft)



FIGURE:
2

FILE NO.:
27285-001

BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

ADDITIONAL SOIL GAS
SAMPLE LOCATIONS
43a, 43b, 43c

DRAWN BY:
SAL

DATE:
8 FEBRUARY, 2001

PL

Y

X

W

V

U

T

S

R

X-41

10' 

10' 

S-41

PL

36

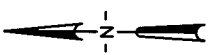
37

38

39

40

41



NOT TO SCALE



COMPLETED SOIL GAS PROBE

10'
20'



PROPOSED SOIL GAS PROBE
W/ DEPTH (ft)



FIGURE:
3

BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

ADDITIONAL SOIL GAS
SAMPLE LOCATIONS
V-41 & T-41

FILE NO.:
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SAL

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21 FEBRUARY, 2001

Boeing Realty Corporation
3760 Kilroy Airport Way, Suite 500
Long Beach, CA 90806
Telephone: 562-627-4900
FAX: 562-627-4906

23 February 2001
C6-BRC-T-01-006

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013



Attention: John Geroch

Subject: **SAMPLING AND ANALYSIS PLAN SUPPLEMENT NO. 3 FOR
BOEING REALTY CORPORATION, FORMER C-6 FACILITY,
19503 SOUTH NORMANDIE AVENUE, LOS ANGELES, CA**

Dear Mr. Geroch:

Please find enclosed for your review, a copy of the subject document prepared by
Haley & Aldrich for Boeing Realty Corporation.

If you have any questions concerning this document, please contact the undersigned
at 562-593-8623.

Sincerely,

A handwritten signature in black ink, reading 'Stephanie Sibbett'.

Stephanie Sibbett
Boeing Realty Corporation

Cc: Mario Stavale, Boeing Realty Corporation
Scott Lattimore, Long Beach Division

enclosure